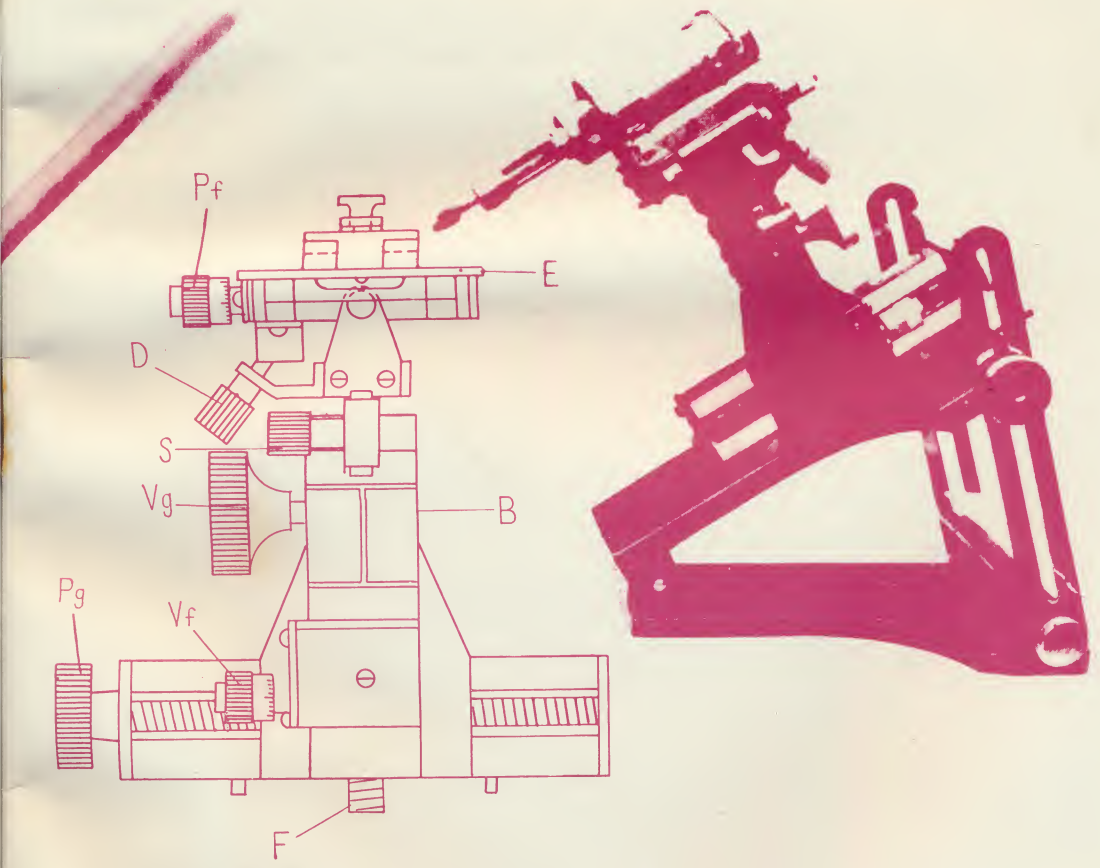


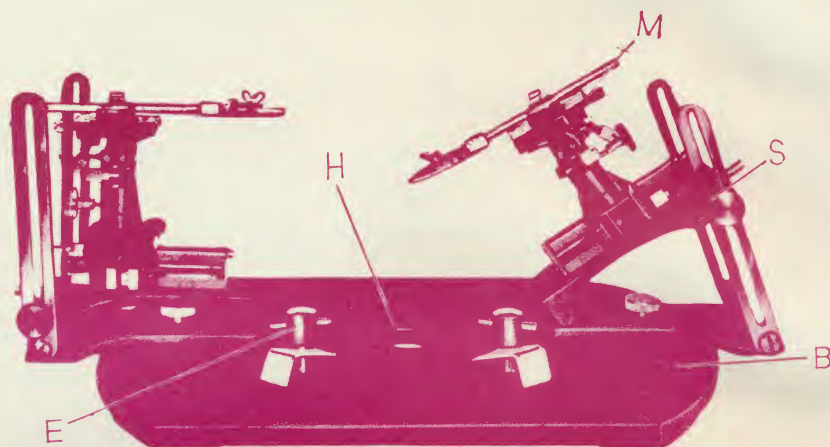
MICROMANIPULATORS and STEREOTAXIC INSTRUMENTS



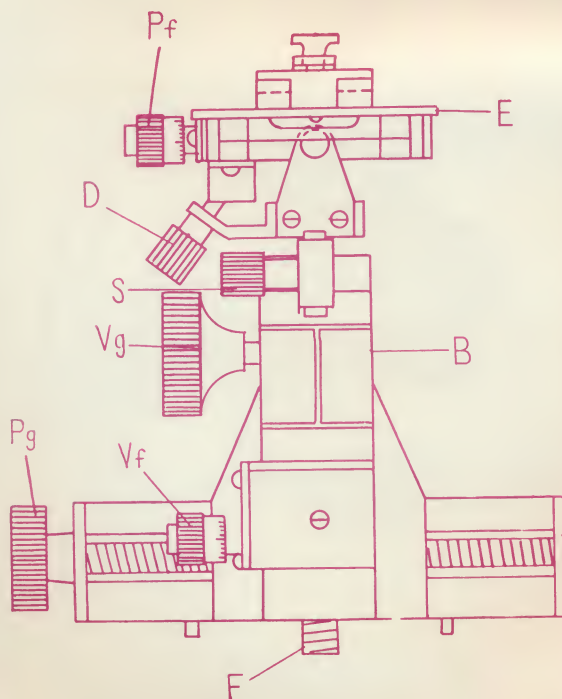
eric  **sobotka company, inc.**
IMPORTERS AND DISTRIBUTORS OF MICROSCOPES AND SCIENTIFIC INSTRUMENTS

110 WEST 40TH STREET, NEW YORK, NEW YORK 10018 • AREA CODE 212 WISCONSIN 7-9216

MP-1 MICROMANIPULATOR - PETERFI - TYPE



The whole set of the Peterfi-type Micromanipulator consists of two manipulator units (M), two tilting stands (S) and a base plate (B). The manipulator unit with screw by which the unit can be fixed on the base consists of many adjustment knobs as follows:



Pf: Horizontal fine adjustment.

D: Inclining adjustment.

S: Circular adjustment.

Ug: Vertical adjustment.

Vf: Vertical fine adjustment.

Pg: Horizontal adjustment.

B: 180° Rotation manually.

F: Set Screw (6mm)

250μ advancing per 360° rotation.

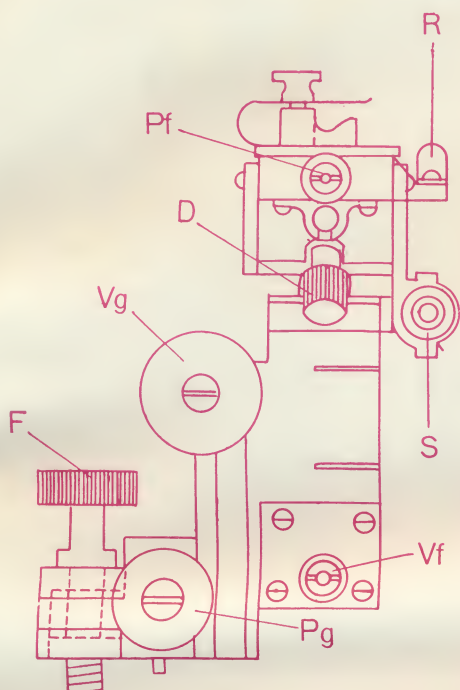
All movements are free from backlash and vibration.

The micromanipulator can conveniently be used for any motion by using vertical, horizontal, inclining and circular arc adjustments.

The apparatus is supplied in a wooden case.

TECHNICAL DATA – MICROMANIPULATOR UNIT MP-1

Range of Motions	Vertical	Horizontal	Inclining	Circular
Coarse	Vg 50mm	Pg 50mm		180°
Fine	Vf 5mm	Pf 5mm	D 40°	60°



Set of two stands
Weight 58 lbs.

Base plate. 450mm long, 320mm wide
Weight 42 lbs.

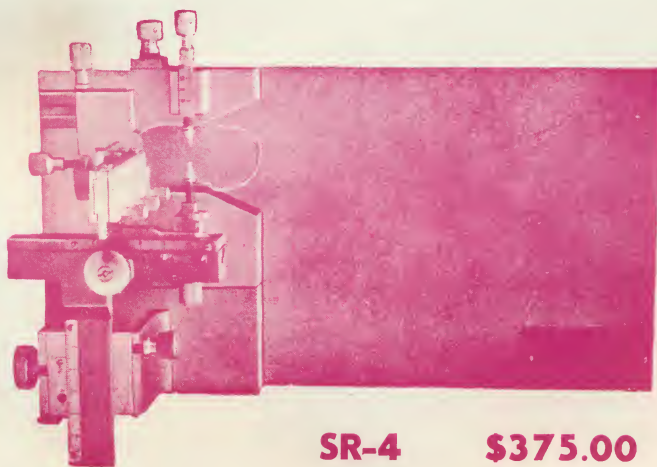
Manipulator unit
Overall size 140mm long, 90mm wide,
130mm high
Weight 3¼ lbs.

Tilting stand
Overall size 40mm long, 160mm wide,
100mm high
Weight 4½ lbs.

MP-1

\$1,000.00

SR-4 STEREOTAXIC INSTRUMENT FOR RATS

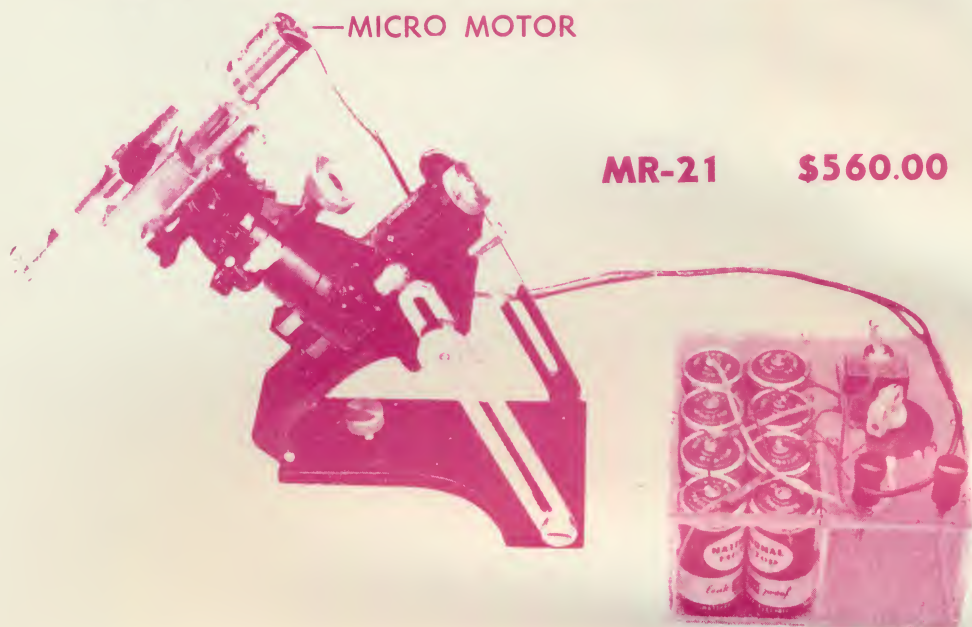


SR-4

\$375.00

MR-21 REMOTE CONTROLLED MICROMANIPULATOR

Micromanipulator driven by motor continuously and extremely fine. Advancing speed can be controlled by the voltage of the battery cells. Advancing and returning in both directions can be switched. Maximum voltage 6 volts DC.



MR-21 **\$560.00**

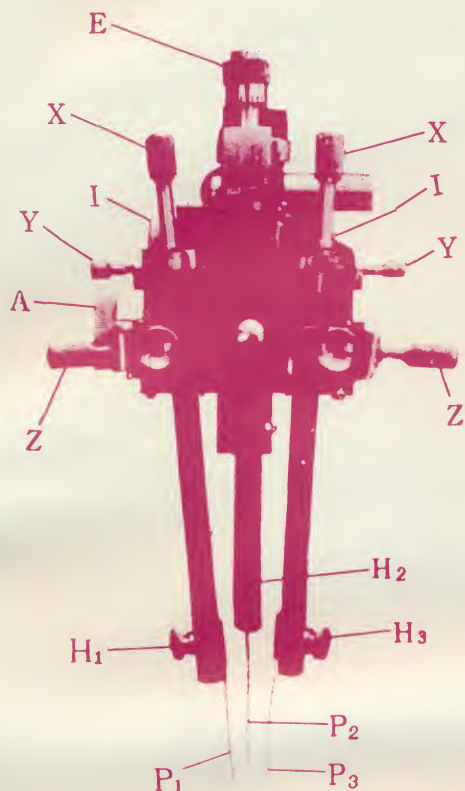
MB-22 MICROBORING MACHINE

For boring tiny holes in bones and other similar material. Small motor attached to Peterfi-type Micromanipulator. Motor operated on 9 volt battery cell.



MB-22 **\$560.00**

MT-5 MICROMANIPULATOR ELECTRODE HOLDER FOR THREE ELECTRODES ADJUSTABLE INDEPENDENTLY



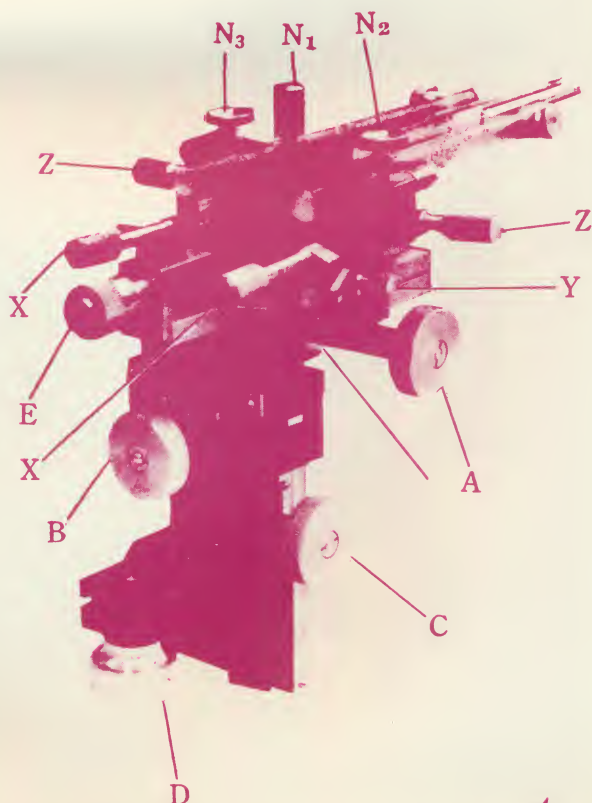
- Z Horizontal fine adjustment for A and C independently
- I Vertical fine adjustment for A and C independently
- Y Circular arc fine adjustment for A and C independently
- X Inclining fine adjustment for A and C independently

- E Vertical fine adjustment for B
- C Y-direction adjustment for all electrodes (A, B and C)
- A Coarse X-direction adjustment for all
- H₁ for fixing electrode A
- H₂ for fixing electrode B
- H₃ for fixing electrode C
- P₁ Glass electrode
- P₂ Glass electrode
- P₃ Glass electrode
- D Clamp screw for holding manipulator unit

Not Included

Weight: 2 lbs.

Overall size: 105mm x 40mm x 125mm



MT-5

\$190.00

MP-6 MICROMANIPULATOR FOR PENCIL-TYPE ELECTRODE

(One long tapered capillary inside the other short tapered one.) Both electrodes can be adjustable independently.

M Fine advancing 50μ per one rotation

H Coarse adjustment

Overall size: 30mm

x 150mm x 20mm

Weight: 130 gr.

G₁ Outside electrode

G₂ Inside electrode



MP-6

\$125.00

Y-1 ADAPTOR FOR
MINIATURE
MICROMANIPULATOR MM3
TO BE ATTACHED
TO STEREOTAXIC
INSTRUMENTS

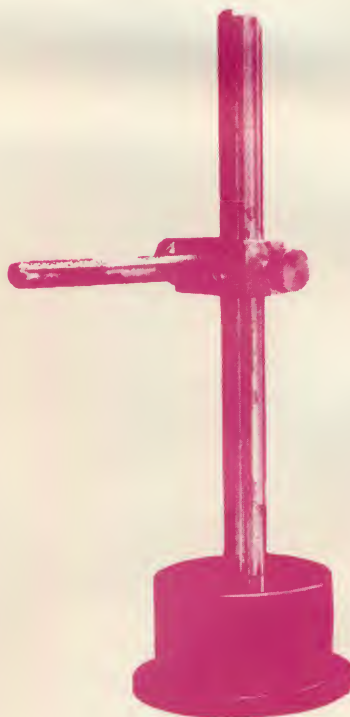


Y-1

\$40.00

Z-1 STAND FOR MINIATURE
MICROMANIPULATOR MM3

Height: 25cm



Z-1

\$30.00

MM-3 MINIATURE MICROMANIPULATOR
WITH NEEDLE HOLDER

S-15 MAGNETIC BASE AND UPRIGHT COLUMN

Powerful enough to hold MM-3 in any direction.



The miniature micromanipulator is indispensable where limited space is available. It is attached to the metal rod through opening "D".

Movements:

- A = Direction "X"
- B = " " "Y"
- C = Vertical
- E = 7 mm excursion
in direction "X"

Dimensions: 105 mm long,
40 mm wide, 125 mm high
Weight: 1½ lbs.

S-15 \$25.00

MM-3 \$150.00

S-15 and MM-3 \$175.00

HMT-3 ELECTRODE HOLDER FOR THREE ELECTRODES

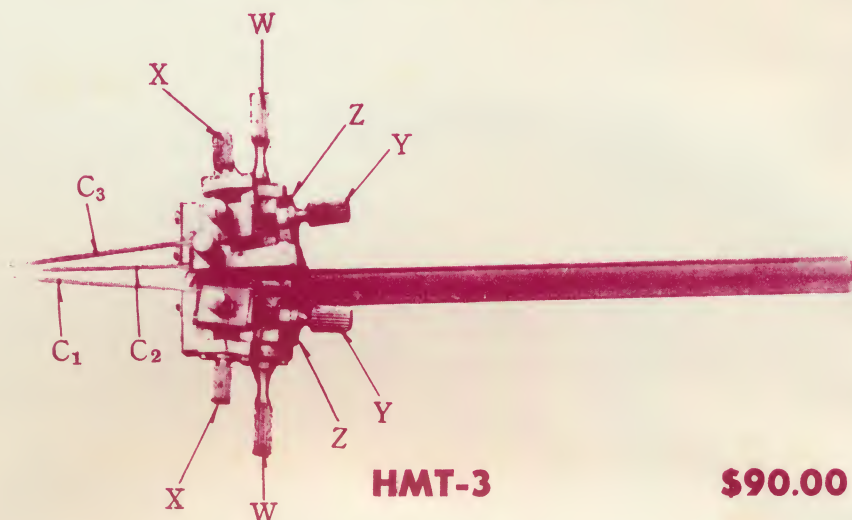
Z z-direction adjustment

Y y-direction adjustment

X x-direction adjustment

W Circular arc adjustment

C glass pipette (not supplied)



HMT-3

\$90.00

PN-3 GLASS MICRO-ELECTRODE PULLER



Operates on 100 - 120 volts AC

heater voltage 2-2.5 volts

Spare heater platinum foil available

Height: 20cm

Width: 20cm

Length: 40cm

PN-3

\$350.00

H-1 ELECTRODE HOLDER FOR ONE ELECTRODE



H-1

\$3.50

H-2 ELECTRODE HOLDER FOR ONE ELECTRODE



H-2

\$3.50

W-1 WOODEN NEEDLE HOLDER

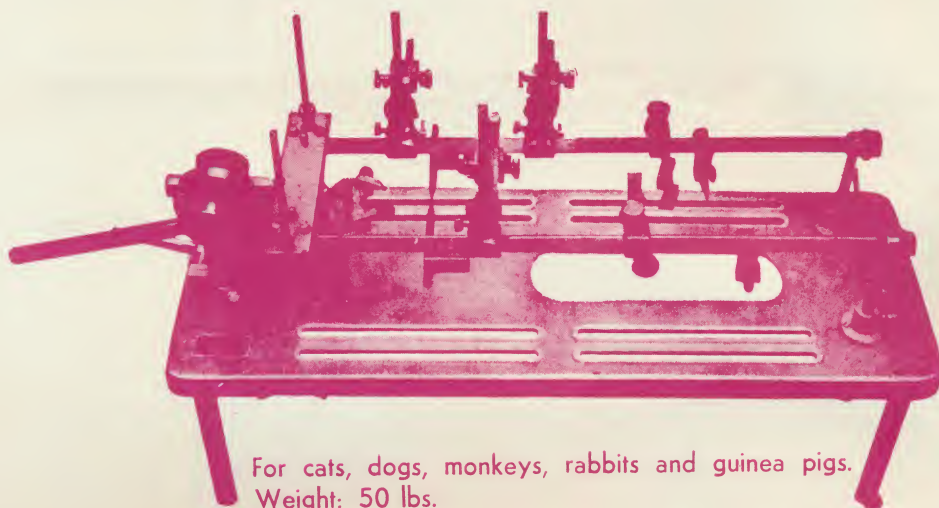
Handy for microdissection in Biology
Needle easily attached, removed, or fixed firmly.



W-1

\$1.50

SN-1 STEREOTAXIC INSTRUMENT



For cats, dogs, monkeys, rabbits and guinea pigs.
Weight: 50 lbs.

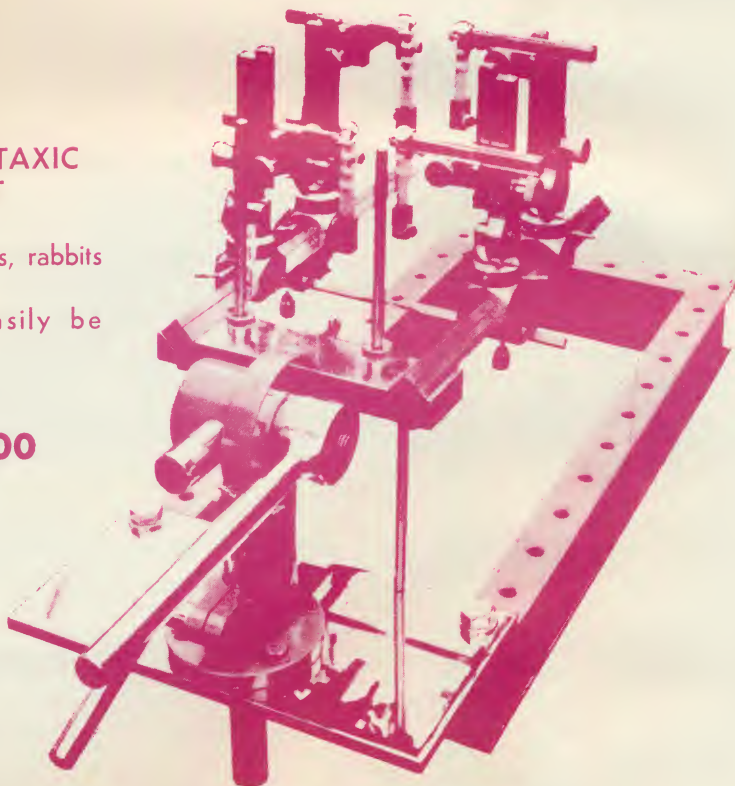
SN-1

\$1,000.00

SN-2 STEREOTAXIC INSTRUMENT

For cats, dogs, monkeys, rabbits
and guinea pigs.
Accessories may easily be
attached.
Weight: 75 lbs.

SN-2 \$1,100.00

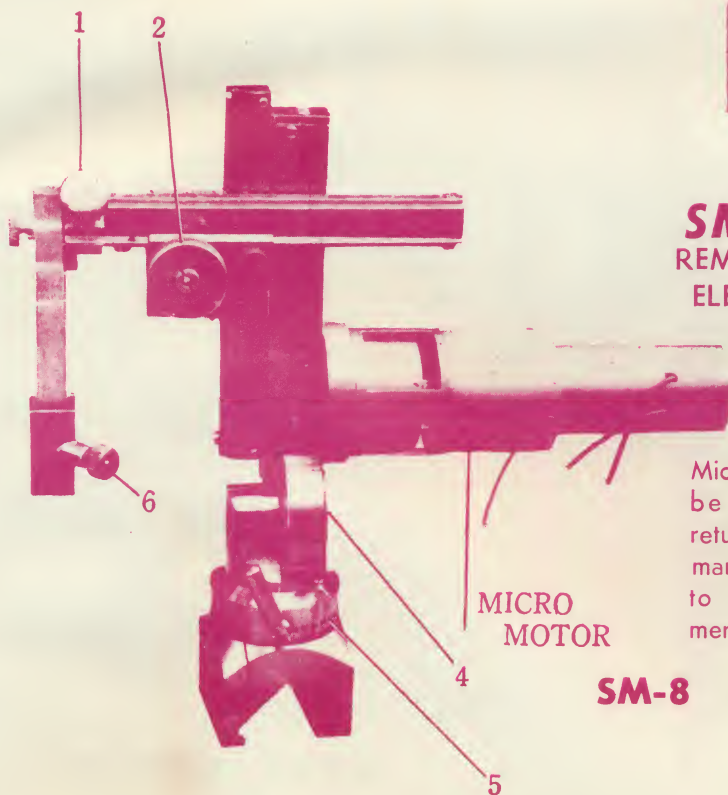
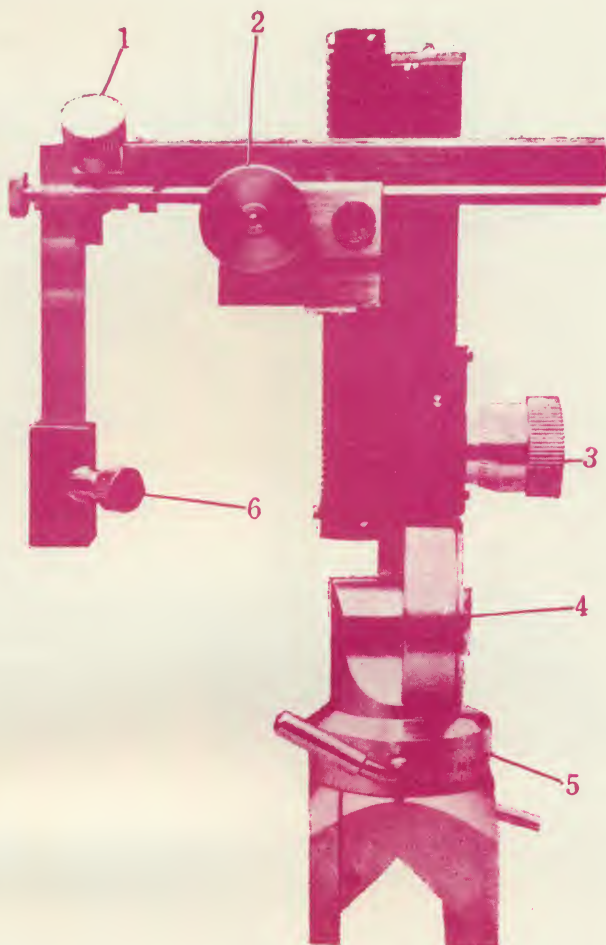


SM-15 UNIVERSAL ELECTRODE HOLDER

- 1 Screw for electrode holder
- 2 Horizontal adjustment
- 3 Vertical fine adjustment
- 4 Angle adjustment
- 5 Rotation adjustment in horizontal direction
- 6 Screw for attaching electrode

This holder can be attached to the Stereotaxic Instruments SN-1 and SN-2

SM-15 \$200.00

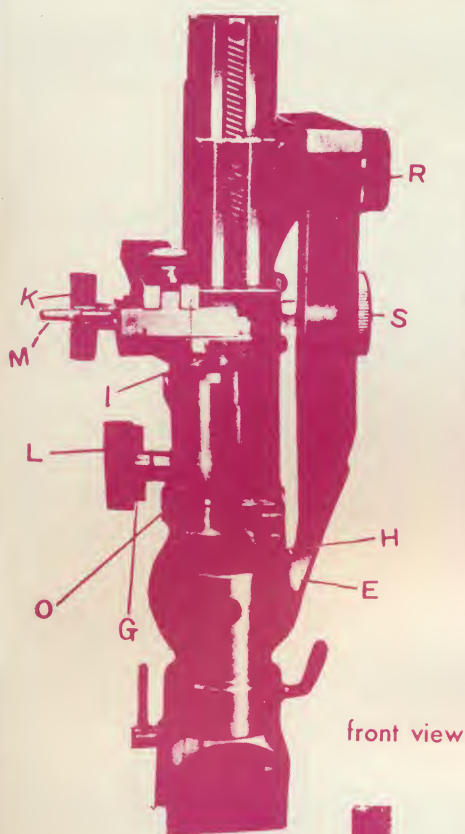


SM-8 UNIVERSAL REMOTE CONTROLLED ELECTRODE HOLDER

Micromanipulator can be advanced and returned by motor and manually. Attachable to Stereotaxic Instrument.

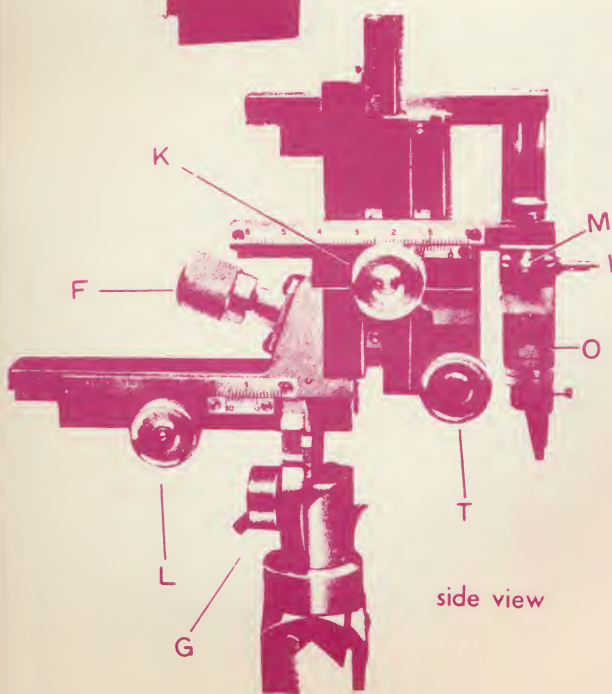
SM-8 \$350.00

SM-16 ELECTRODE CARRIER FOR STEREOTAXIC INSTRUMENTS, MACRO AND MICRO ADJUSTMENTS

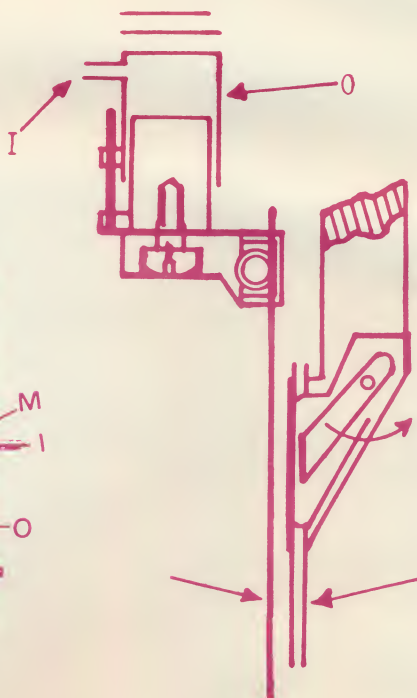


front view

- G Angle adjustment
- L Coarse adjustment for M
- K Vertical coarse adjustment for M and E
- I Inlet for oil or fluid
- R Horizontal coarse adjustment for E
- S Vertical coarse adjustment for E
- O Oil driven piston
- M Oil driven micromanipulator can be attached to horizontal microdrive for O
- H Internal electrode
- E External electrode
- T Vertical coarse adjustment
- F Vertical microdrive



side view

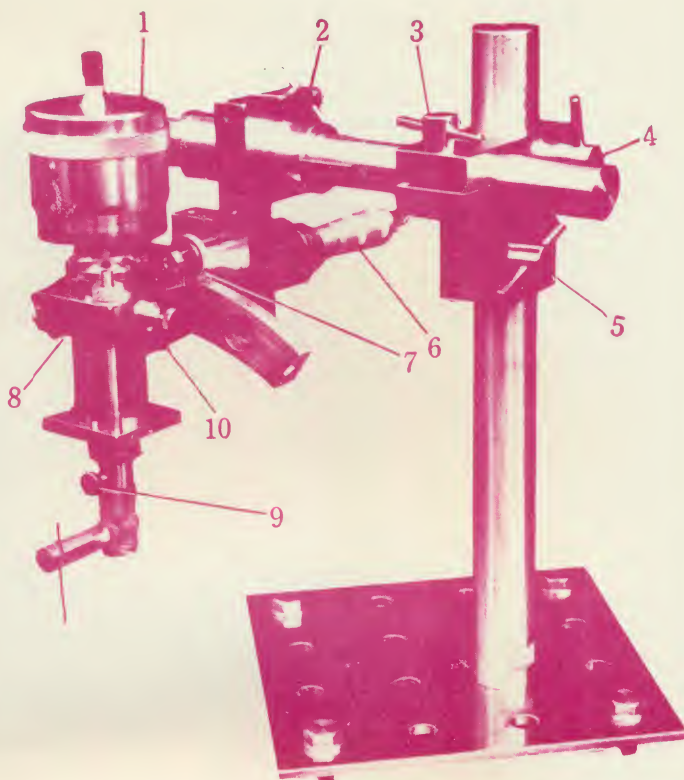


Two electrodes can be moved concentrically or independently

SM-16 \$560.00

ME-7 ECCLES-TYPE MICROMANIPULATOR

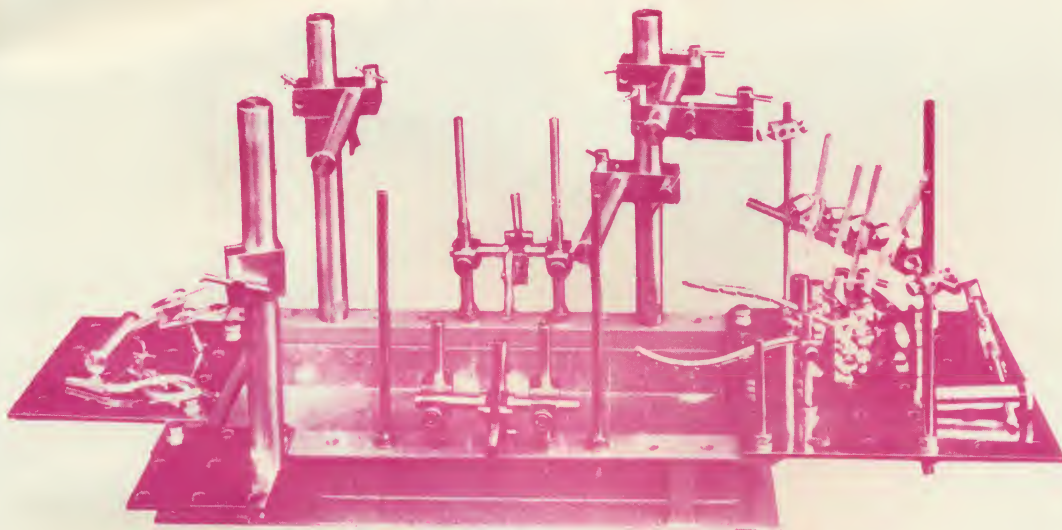
- 1 Advancing fine control
- 2 X-direction coarse adjustment
- 3 Rotation coarse adjustment
- 4 Up and down coarse adjustment
- 5 Up and down stop
- 6 Y-direction fine adjustment
- 7 Inclining coarse adjustment
- 8 Coarse advancing stop
- 9 Electrode holder
- 10 Coarse advancing stop



ME-7 \$700.00

SE-4 ECCLES-TYPE STEREOTAXIC INSTRUMENT FOR SPINAL CORD

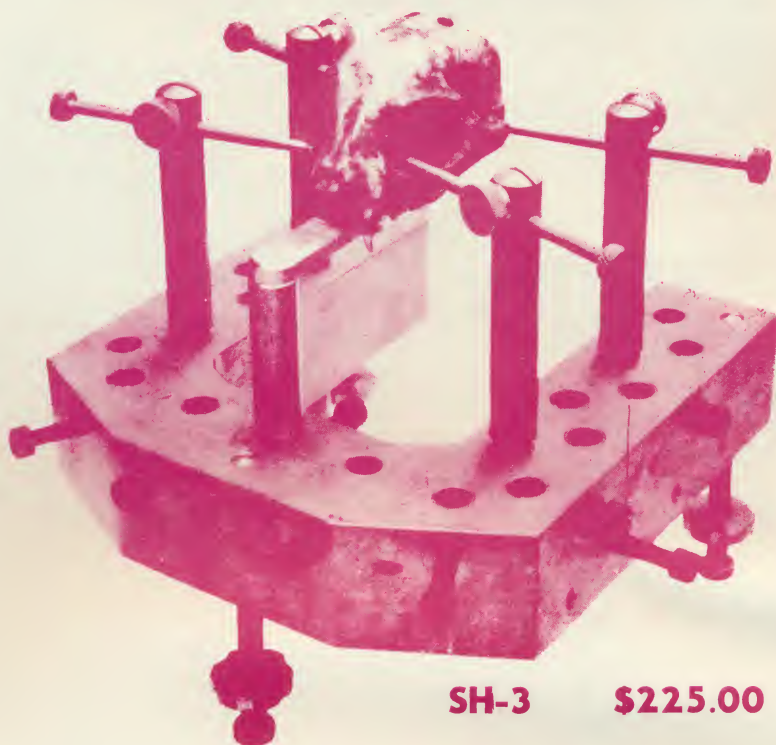
Every accessory available



SE-4 \$375.00

SH-3 SIMPLE TYPE HEAD HOLDER FOR CATS AND RABBITS

Each head holder has many applications.



SH-3 \$225.00

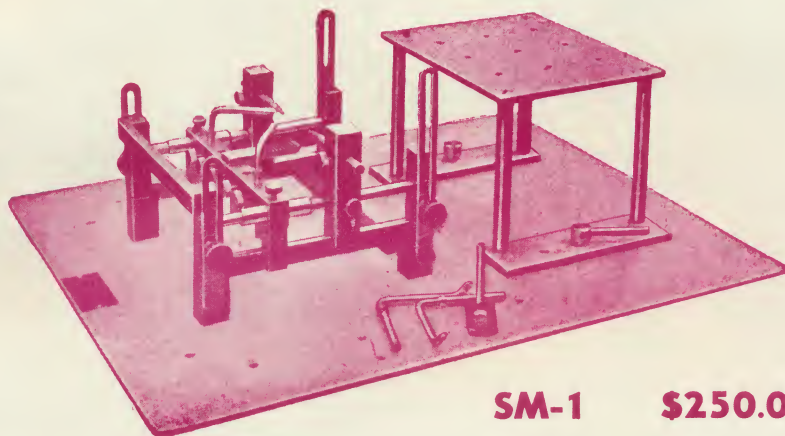
SH-5 HEAD HOLDER FOR CATS



SH-5 \$135.00

SM-1 HEAD HOLDER FOR CATS AND RABBITS

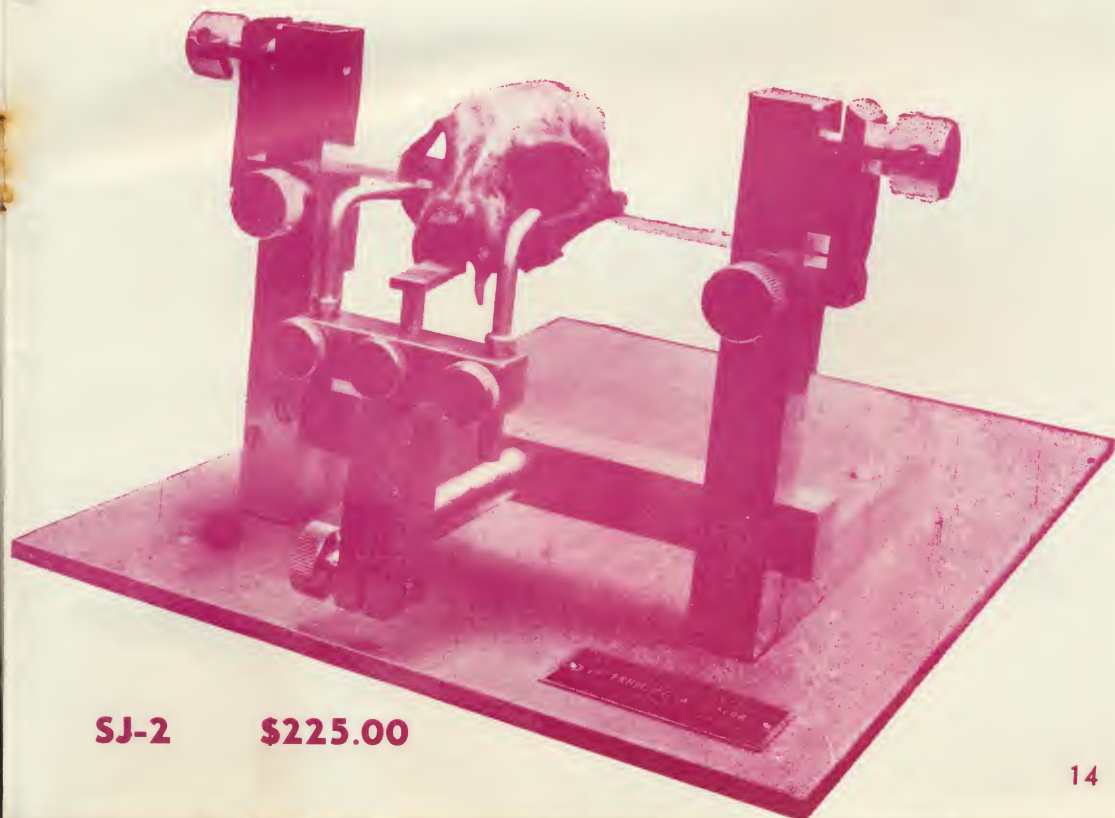
Any type of micromanipulator can be attached
This type is suitable for microelectrode operations



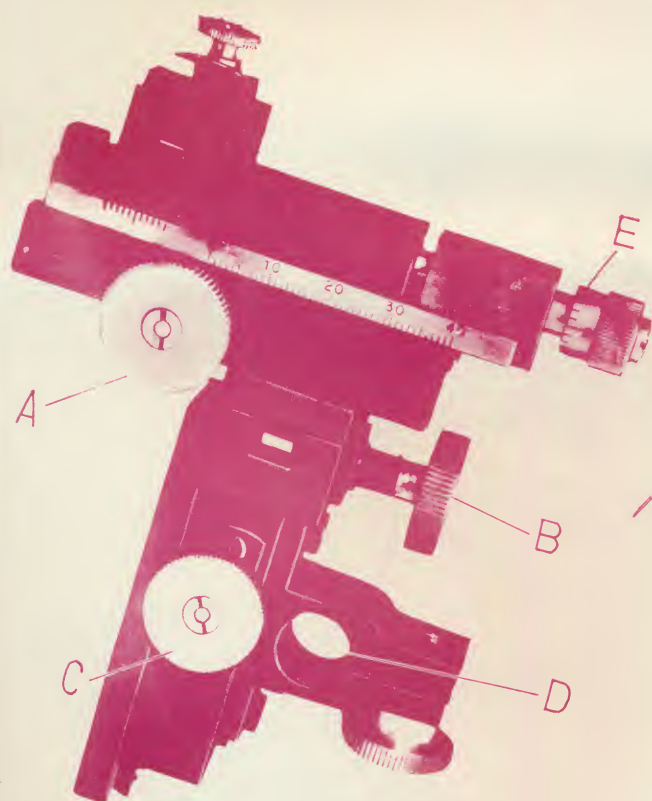
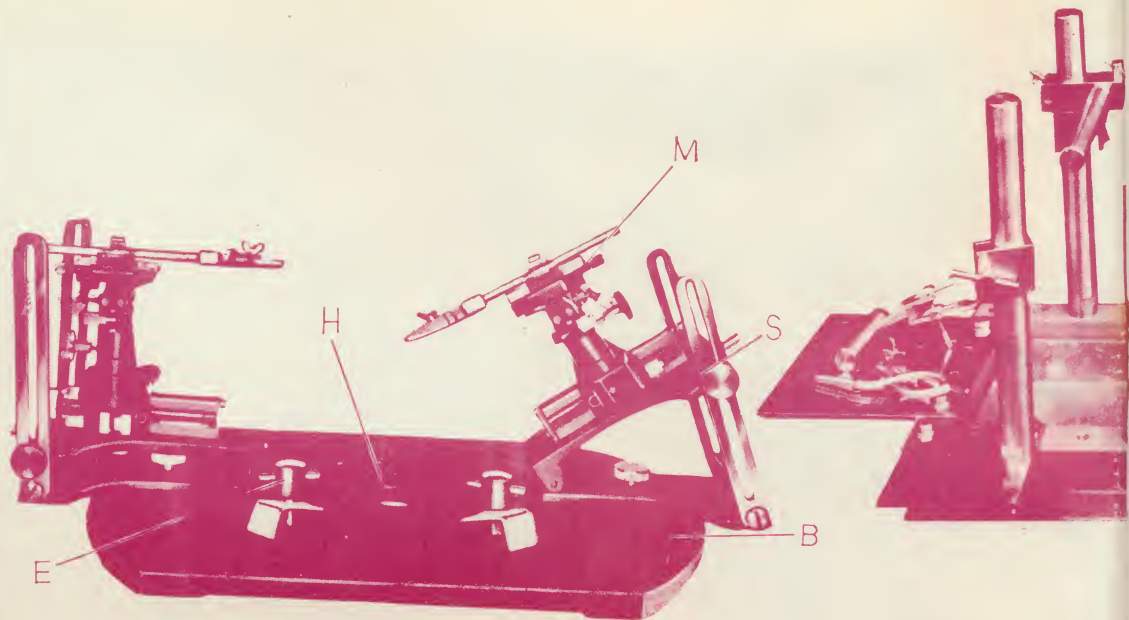
SM-1 \$250.00

SJ-2 SIMPLE HEAD HOLDER FOR SMALL EXPERIMENTAL ANIMALS

(cats, rabbits, rats, guinea pigs, etc.)



SJ-2 \$225.00



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